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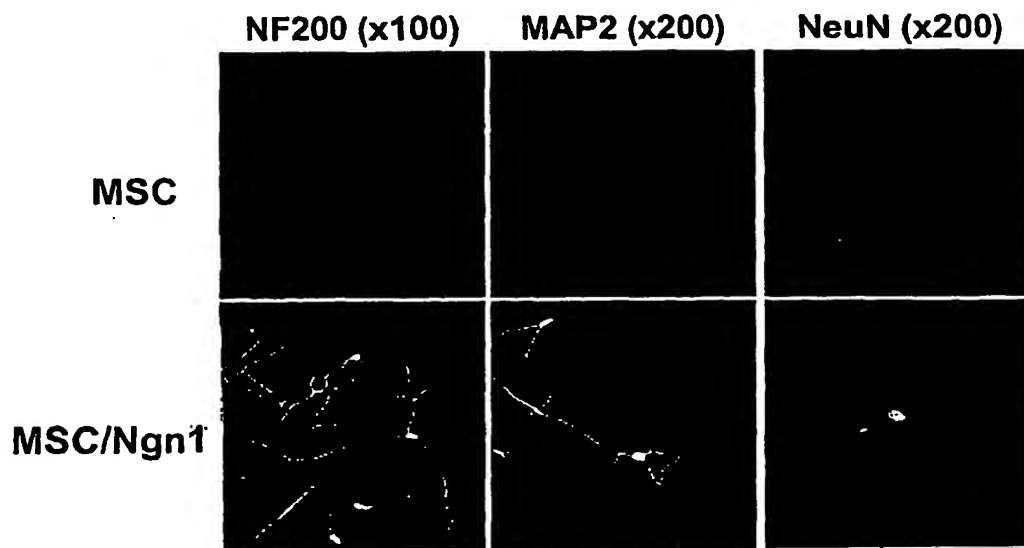
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(54) Title: A METHOD FOR TRANSDIFFERENTIATING MESENCHYMAL STEM CELLS INTO NEURONAL CELLS



(57) Abstract: This inventive discloses a method for transdifferentiating mesenchymal stem cells into neuronal cells, which comprises increasing the level of a basic helix-loop-helix (bHLH) transcription factor in the mesenchymal stem cells, said cells being useful in cell therapy or gene therapy for treating brain neurological diseases such as Parkinson's disease, Alzheimer disease, Huntington's disease, amyotrophic lateral sclerosis, cerebral paralysis and brain ischemia; and spine disfunction caused by a traumatic injury.

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